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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/618,374	07/11/2003	Tadashi Narui	37026-88081	4918	
75	7590 06/07/2004 E		EXAM	AMINER	
Peter S. Gilster			LEE, EUGENE		
Greensfelder, Hemker, & Gale, P.C.					
Intellectual Property Group			ART UNIT	PAPER NUMBER	
	way, Suite 2000	2815			
St. Louis, MO	63102-1774		DATE MAILED: 06/07/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

			<i></i>			
	Application No.	Applicant(s)				
Office Action Comments	10/618,374	NARUI ET AL.				
Office Action Summary	Examin r	Art Unit	1			
	Eugene Lee	2815	pu			
The MAILING DATE of this c mmunication Period for Reply	on appears n the cover sheet w	vith the c rrespondence addre	9ss			
A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 (after SIX (6) MONTHS from the mailing date of this communicat - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TON. CFR 1.136(a). In no event, however, may a ion. s, a reply within the statutory minimum of th period will apply and will expire SIX (6) MC a statute, cause the application to become A	a reply be timely filed irty (30) days will be considered timely. DNTHS from the mailing date of this commandation (35 U.S.C. § 133).	nunication.			
Status	•					
1)⊠ Responsive to communication(s) filed on	7/11/03.					
	This action is non-final.					
3) Since this application is in condition for a						
Disposition of Claims	·					
4) ⊠ Claim(s) <u>1-61</u> is/are pending in the application 4a) Of the above claim(s) is/are with 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-61</u> are subject to restriction are	thdrawn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Exa						
10)☐ The drawing(s) filed on is/are: a)☐						
Applicant may not request that any objection	• • • • • • • • • • • • • • • • • • • •	, ,				
Replacement drawing sheet(s) including the of the oath or declaration is objected to by the oath or declaration is objected to by the oath or declaration is objected to be the oath of the oath or declaration is objected to be the oath of th						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International E * See the attached detailed Office action for	uments have been received. uments have been received in e priority documents have bee Bureau (PCT Rule 17.2(a)).	Application No n received in this National Sta	age			
Attachment(s)	6 □	Commence (DTO 442)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-93) Information Disclosure Statement(s) (PTO-1449 or PTO/Paper No(s)/Mail Date 	48) Paper No	r Summary (PTO-413) o(s)/Mail Date f Informal Patent Application (PTO-15 	52)			

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DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1 thru 9, 11 thru 15, 19 thru 46, and 59 thru 61, drawn to semiconductor device, classified in class 257, subclass 228.
- II. Claims 10, 16 thru 18, and 47 thru 58, drawn to method of making a semiconductor device, classified in class 438, subclass 1+.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as the product made and the process of making. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process. For example, as an alternative to the methods set forth in claims 10, 16-18, and 47-58, instead of using a thinning step, one could form a semiconductor base without thinning.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. If Group I is elected, a further restriction is required.

This application contains claims directed to the following patentably distinct species of the claimed invention.

I. Embodiment I (FIG. 1)

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- II. Embodiment II (FIG. 11)
- III. Embodiment III (FIG. 13)
- IV. Embodiment IV (FIG. 24)
- V. Embodiment V (FIG. 26)
- VI. Embodiment VI (FIG. 28)
- VII. Embodiment VII (FIG. 29)
- VIII. Embodiment VIII (FIG. 30)
- IX. Embodiment IX (FIG. 32)
- X. Embodiment X (FIG. 33)
- XI. Embodiment XI (FIG. 37)
- XII. Embodiment XII (FIG. 42)
- XIII. Embodiment XIII (FIG. 45)
- XIV. Embodiment XIV (FIG. 47)

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the

limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

INFORMATION ON HOW TO CONTACT THE USPTO

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Lee whose telephone number is 571-272-1733. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on 571-272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eugene Lee

May 1, 2004

TOM THOMAS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800